



East Coast Environmental, P.A.

3815 Junction Boulevard Raleigh, NC 27603
(919) 772-0268 F (919) 772-0468

Ms. Jaclynne Drummond
Compliance Hydrogeologist
NC Department of Environment and Natural Resources Division of Waste
Management - Solid Waste Section 1646 Mail Service Center
Raleigh, North Carolina 27699-1646

RE: Second Semiannual Groundwater Monitoring Report of 2011 Lee County
Landfill, Permit No. 53-01
Lee County, North Carolina

Dear Ms. Drummond:

On behalf of Lee County, East Coast Environmental, P.A. (ECE) is submitting the enclosed *Second Semiannual Groundwater Monitoring Report of 2012* in electronic format, plus a hard copy of the Environmental Monitoring Form. This completes the second semiannual compliance monitoring event of 2012 for the closed Lee County Landfill, Permit No. 53-01, as required by the North Carolina Division of Waste Management, Solid Waste Section. Please contact me at (919) 772-0268 if you have any questions regarding this submittal.

Sincerely,

Thomas R. Will, North Carolina Licensed Geologist 1164
Project Manager
East Coast Environmental, P.A.

Enclosures

C: Joseph Cherry - Lee County, Solid Waste Superintendent

DENR USE ONLY:	<input type="checkbox"/> Paper Report	<input type="checkbox"/> Electronic Data - Email CD (data loaded: Yes / No)	Doc/Event #:
NC DENR			Environmental Monitoring Reporting Form
Division of Waste Management - Solid Waste			

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- Prepare one form for each individually monitored unit.
- Please type or print legibly.
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

East Coast Environmental, P.A.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Thomas Will Phone: (919) 772-0268
 E-mail: ecoaste@bellsouth.net

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Lee County Landfill	330 Landfill Road	53-01	0.0500	October 18, 2012

Environmental Status: (Check all that apply)

Initial/Background Monitoring Detection Monitoring Assessment Monitoring Corrective Action

Type of data submitted: (Check all that apply)

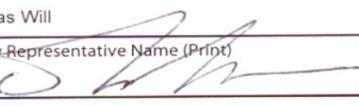
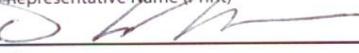
<input type="checkbox"/> Groundwater monitoring data from monitoring wells	<input type="checkbox"/> Methane gas monitoring data
<input type="checkbox"/> Groundwater monitoring data from private water supply wells	Corrective action data (specify) _____
<input type="checkbox"/> Leachate monitoring data	<input type="checkbox"/> Other(specify) _____
<input type="checkbox"/> Surface water monitoring data	

Notification attached?

No. No groundwater or surface water standards were exceeded.
 Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
 Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Thomas Will 
 Project Manager (919) 772-0268
 Facility Representative Name (Print) Title (Area Code) Telephone Number
 11-30-12 Affix NC Licensed/ Professional Geologist Seal
 Signature Date

3815 Junction Boulevard, Raleigh, NC 27603

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009





East Coast Environmental, P.A.

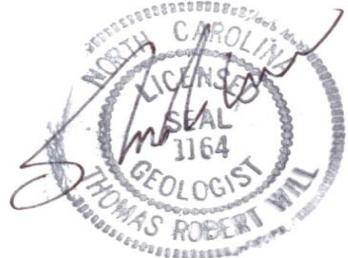
3815 Junction Boulevard Raleigh, NC 27603
(919) 772-0268 F (919) 772-0468

SECOND SEMI-ANNUAL GROUNDWATER MONITORING REPORT OF 2012

**PREPARED FOR:
LEE COUNTY GENERAL SERVICES
805 S. FIFTH STREET SANFORD, NORTH CAROLINA 27330
LEE COUNTY LANDFILL PERMIT No. 53-01**

Prepared by:

East Coast Environmental, P.A.
3815 Junction Boulevard
Raleigh, North Carolina
(919) 772-0268



**Second Semiannual Groundwater Monitoring Report of
2012 Lee County Landfill
Lee County, North Carolina**

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1.0 INTRODUCTION

1.1 Site Information

The Lee County Landfill is a closed, unlined municipal solid waste (MSW) and construction & demolition (C&D) landfill located on approximately 254.6 acres in Lee County, NC, approximately 6.5 miles south of Sanford. The six MSW and one C&D waste disposal areas comprise approximately 100.8 acres. The property boundary is indicated on an excerpt from the 7.5 minutes USGS topographic map for Muchison & Sanford, North Carolina (Figure 1). The MSW portion of the facility ceased accepting waste prior to October 9, 1993, and a letter of closure was issued on December 20, 1996. The C&D portion of the facility was issued a Permit to Operate on July 25, 1995 and ceased accepting waste June 30, 2008.

1.2 Site Geology and Hydrogeology

The Lee County Landfill is located near the edge of the Coastal Plain Physiographic Province. The facility is underlain by the Middendorf Formation consisting of sand, sandstone, and mudstone. The Middendorf Formation is underlain by metavolcanic rocks of the Eastern Slate Belt. The uppermost aquifer is unconfined. The groundwater level measurements taken in October 2012 were used to construct the potentiometric surface contours shown in Figure 2. Historical static water levels are provided in Table 1. Groundwater flow at the site is generally to the southeast.

1.3 Regulatory Status

The Lee County Landfill is currently monitoring groundwater in accordance with criteria set forth in Rule .0500 of the North Carolina Solid Waste Management Rules (NCSWMR) for MSW landfills closed prior to October 9, 1993 and C&D landfills closed prior to July 1, 2008.

2.0 FACILITY MONITORING PROGRAM

2.1 Groundwater Monitoring Program

The current groundwater compliance monitoring network includes 6 monitoring wells. In addition, there are 4 monitoring wells used only for water level measurements. These wells are summarized below, along with their current monitoring program status. The locations of the monitoring wells are shown on Figure 2.

Groundwater samples are collected semiannually in April and October. Samples are analyzed for RCRA metals and the NC Appendix I list of volatile organic constituents during the first and second semiannual events.

Monitoring Well	Classification	Monitoring Program	Total Depth From TOC (ft)
MW-4	Observation	Water Levels Only	14.28
MW-5	Compliance	Detection (.0500)	6.75
MW-6	Compliance	Detection (.0500)	9.62
MW-7	Observation	Water Levels Only	10.57
MW-9	Compliance	Detection (.0500)	9.29
MW-10	Compliance	Detection (.0500)	9.45
MW-11	Observation	Water Levels Only	10.74
MW-12	Compliance	Detection (.0500)	4.90
MW-13	Observation	Water Levels Only	10.74
MW-14	Compliance	Detection (.0500)	7.90

*TOC = Top of casing.

2.2 Surface Water Monitoring Program

Surface water at the Lee County Landfill is monitored semiannually in conjunction with the groundwater sampling events. Samples are collected from one surface water monitoring point (SW-2). Samples are not collected from SW-1. The location of the surface water monitoring point is shown on Figure 2.

Surface water samples will be collected and analyzed for RCRA metals and the NC Appendix I list of volatile organic constituents during both semiannual monitoring events. These surface water monitoring point are summarized below, along with their current monitoring program status.

Surface Point	Classification	Monitoring Program
SW-1	Not Monitored	Surface Water
SW-2	Compliance	Surface Water

3.0 FIELD WORK AND LABORATORY ANALYSIS

In order to detect potential releases of leachate and/or landfill gas migration in a timely manner, a visual inspection program has been implemented at the Lee County Landfill. This inspection program involves field personnel making the following observations:

- Observation of stress induced on the biological community (e.g., dead or dying vegetation),
- Indications of leachate impact (e.g., seeps, impacted surface water),
- Observations of erosion; and
- Negative changes around the waste facility.

On October 18, 2012 ECE personnel visited the facility to purge and sample the facility's monitoring wells MW-5, MW-6, MW-9, MW-10, MW-12, and MW-14. Prior to purging, the depth to static water level was measured for all monitoring wells with an electronic water level indicator, accurate to 0.01 foot. MW-4, MW-7, MW-11, and MW-13 were measured for static water levels only.

Monitoring wells were purged and sampled using disposable bailers. Measurements of temperature, pH, specific conductivity, and turbidity were recorded in the site specific log book prior to purging, after each purge volume, and during sampling. Prior to sampling, laboratory-supplied containers were prepared with the following information:

- Monitoring well number (completed by field personnel),
- Date and time of sample collection (completed by field personnel),
- Initials of sampling personnel (completed by field personnel),
- Project name and number (completed by the laboratory),
- Chemical preservative (completed by the laboratory); and
- Requested chemical analysis (completed by the laboratory).

Groundwater samples from each monitoring well were collected directly from the disposable bailers in the provided laboratory containers immediately after purging. Immediately after collection, the samples were placed in a laboratory provided cooler and chilled on ice.

Surface water samples are collected directly from stream flow, by lowering the prepared sample containers into the stream flow with the opening facing into the current flow. Care is taken not to overflow the sample containers (which could lead to preservative loss) and avoid sample induced turbidity. At the time of sampling, surface water is also measured for temperature, pH, specific conductivity, and turbidity. After sample collection, the samples are placed in a laboratory provided cooler and chilled on ice.

The October 2012 groundwater and surface water samples were submitted to Environmental Conservation Laboratories (ENCO) of Cary, North Carolina under chain-of-custody control for analysis. As presented earlier, the groundwater samples were analyzed for RCRA metals and the NC Appendix I list of volatile organic constituents. ECE requested a Level IT data report for the final laboratory report. The samples were received by the laboratory on October 19, 2012 in good condition, properly preserved, and within analysis hold times.

In addition to samples collected for compliance monitoring at the Lee County Landfill, a Field Blank was collected by ECE personnel as part of the October 2012 sampling event. Also, a Trip Blank was prepared by the laboratory to accompany the volatile sampling containers during shipment to and from the laboratory. The October 2012 Field Blank was analyzed for RCRA metals and the NC Appendix I list of volatile organic constituents while the October 2012 Trip Blanks was analyzed for the NCSWMR Appendix I volatile organic constituent only.

4.0 DATA ANALYSIS AND COMPARISONS TO STANDARDS

Results from the October 2012 sampling event were received November 2, 2012 from ENCO and are found in the Appendix. Analytical results from monitoring wells were compared directly to the NC 2L Groundwater Standards or Groundwater Protection Standards. Analytical results from the surface water monitoring point are also compared to the NC 2B Surface Water Standards. A summary of the October 2012 detected constituents and field parameters can be found in Table 2.

5.0 CONCLUSIONS

Based on historical water quality data, constituents detected in groundwater and surface water samples collected during the October 2012 monitoring event are consistent with previous events. The Lee County Landfill will remain in Detection Monitoring and the next semiannual sampling event is scheduled for the April 2013.

6.0 REFERENCES

Brown, Philip M., Chief Geologist, 1985, *Geologic Map of North Carolina*, The North Carolina Geologic Survey, scale 1:500,000.

North Carolina Department of Environment and Natural Resources, 1990-2011, *Solid Waste Management Regulations*.

USEPA, 1986, *RCRA Ground Water Monitoring Technical Enforcement Guidance Document* (TEGD).

USEPA, 1992, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance*, Chapter 2, July.

Second Semiannual Groundwater Monitoring Report of 2011. January 2012. Prepared by Joyce Engineering

Figures

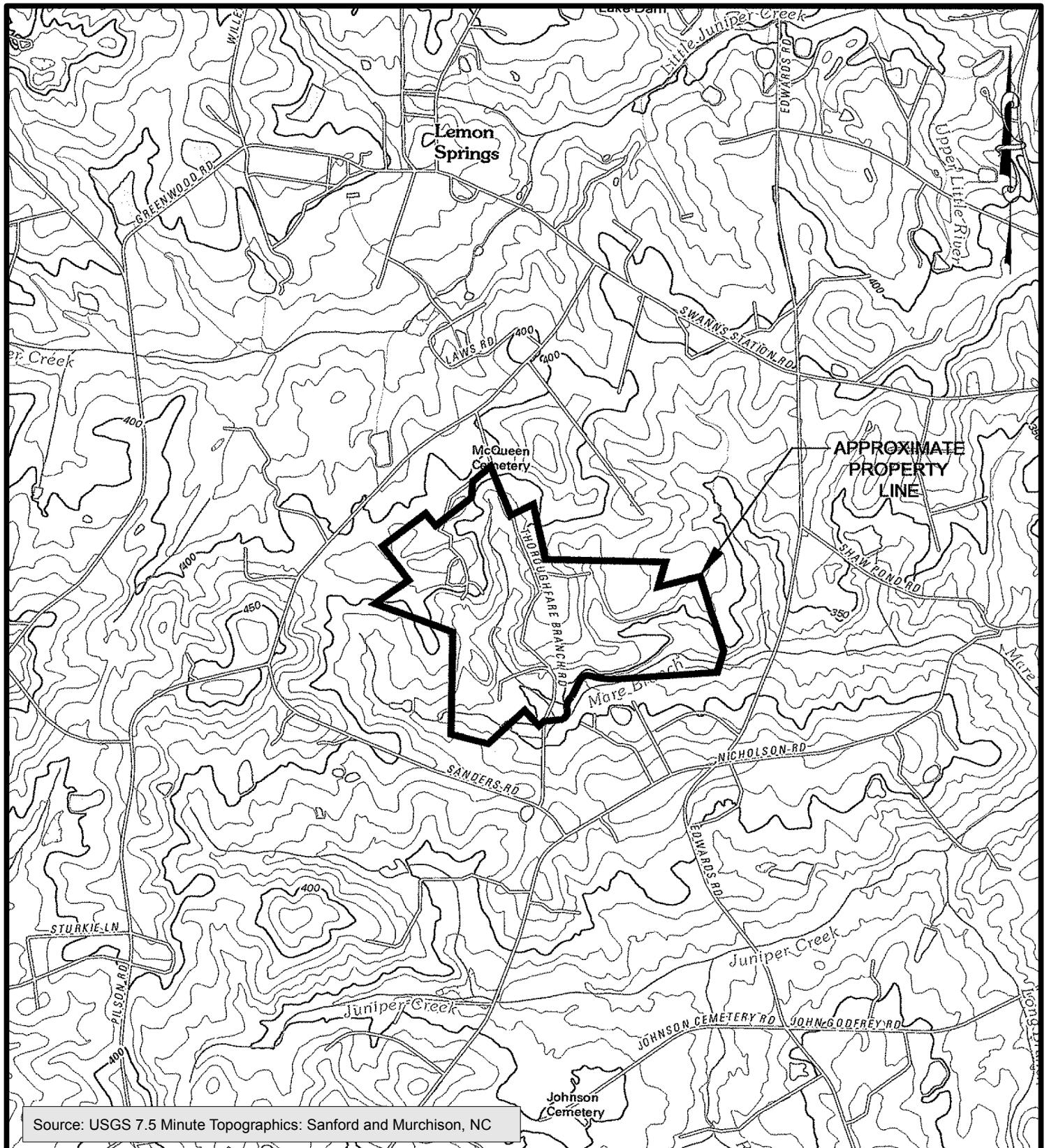


Figure 1
Site Location Map
Lee County Landfill
331 Landfill Road
Lee County, North Carolina



East Coast Environmental, P.A.

3815 Junction Boulevard
Raleigh, North Carolina 27603
(919) 772-0268 Fax: (919) 772-0468

Scale:

1"=2000'

Prep. By:

CKC

Rev. By:

TRW

Date:

11/12/2012

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Date: 11/13/2012

Rev. By: TRW

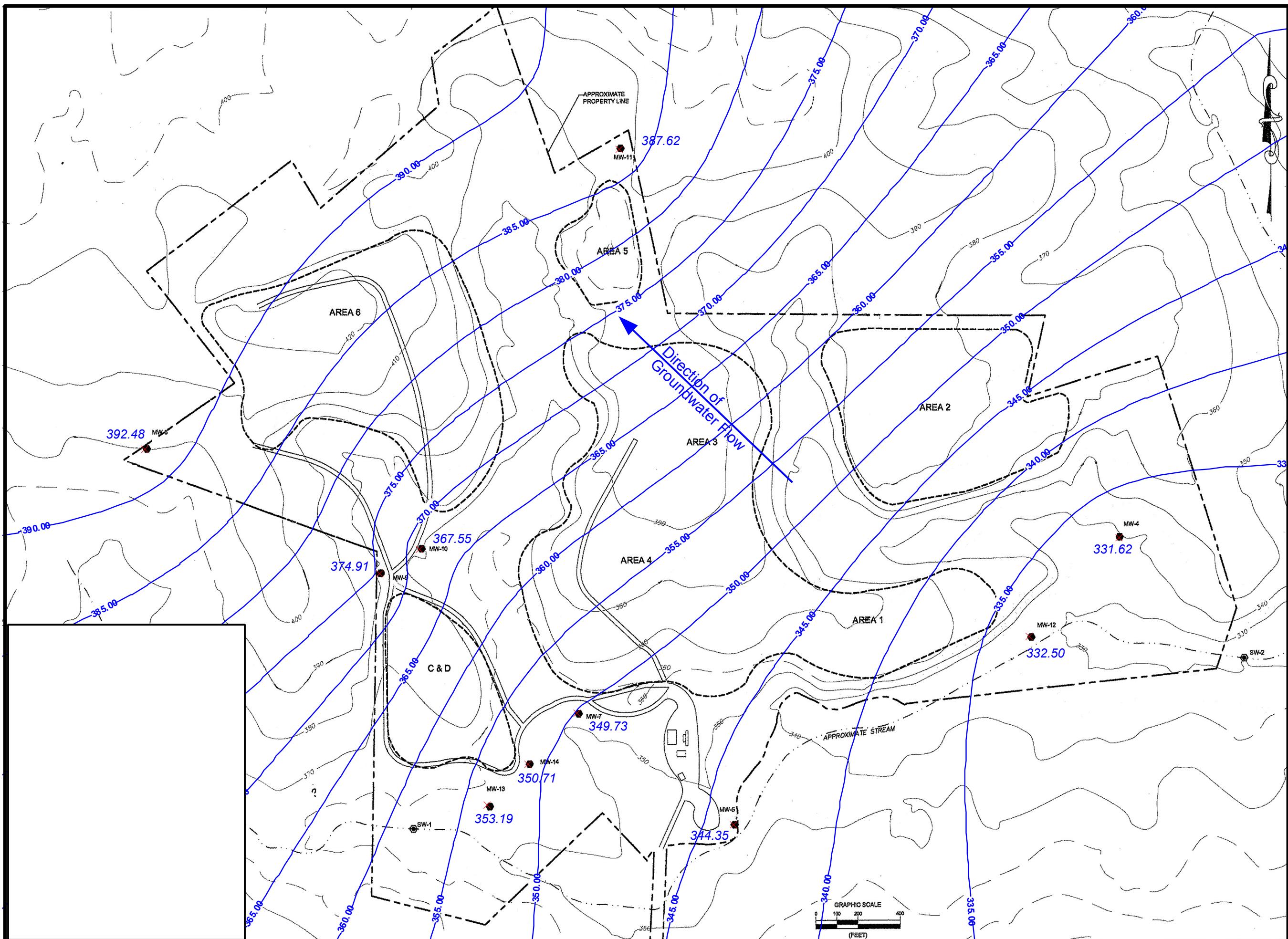
Figure 2
Groundwater Hydraulic Gradient Map – 10/18/2012
Lee County Landfill
Landfill Road
Lee County, North Carolina

Date: 11/13/2012

Rev. By: TRW



Figure 2



Tables

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS

Location	MW-4	MW-5	MW-6	MW-7	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14
TOC Elevation	345.90	351.10	402.10	360.30	384.20	377.00	399.60	337.40	363.93	358.61
Well Depth	19.00	19.50	40.40	22.17	22.85	22.80	22.75	13.30	24.25	18.25
24-Apr-09	336.60	NM	393.46	351.82	377.27	369.77	390.44	333.59	355.87	352.89
24-Nov-09	335.10	344.85	393.15	351.45	375.05	369.05	389.05	333.75	354.69	351.83
09-Apr-10	337.10	344.90	392.68	351.75	376.44	369.67	390.30	333.85	355.98	352.91
04-Oct-10	330.59	344.55	392.16	349.24	374.82	367.84	388.54	332.98	353.38	350.52
15-Apr-11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10-Oct-11	DRY	341.64	391.18	347.76	370.56	363.44	383.59	328.87	348.94	347.68
18-Oct-12	331.62	344.35	392.48	349.73	374.91	367.55	387.62	332.50	353.19	350.71

Notes:

1. Water levels are measured from top of casing (TOC).
2. NM = Not monitored.
2. NA = Not available.
4. DRY = Monitoring well was dry.

TABLE 2
SUMMARY OF DETECTED CONSTITUENTS – GROUNDWATER

Analytical Method >			3050	3050	3050	3050	8260	8260	8260	8260	8260	8260	8260	8260
Well ID	Contaminant of Concern >		Arsenic	Barium	Chromium	Lead	Benzene	1,1 Dichloroethane	1,2 Dichlorobenzene	1,4 Dichlorobenzene	Chlorobenzene	Chloroethane	Methylene Chloride	Toluene
	Date Collected m/dd/yy	Sample ID												
MW-5	10/18/12	MW-5	4.14	295	8.71	9.66	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	10/18/12	MW-6	5.78	166	9.75	11.1	ND	ND	ND	ND	ND	ND	ND	ND
MW-9	10/18/12	MW-9	ND	109	1.17	5.48	ND	ND	ND	ND	ND	ND	ND	ND
MW-10	10/18/12	MW-10	ND	136	7.69	5.48	ND	ND	ND	ND	ND	ND	ND	ND
MW-12	10/18/12	MW-12	13.1	1,500	3.69	8.32	3.7	3.4	0.42	4.7	17	88	0.42	0.77
MW-14	10/18/12	MW-14	5.05	215	13.2	64.2	ND	ND	ND	ND	ND	ND	ND	ND
SW-2	10/18/12	SW-2	ND	70.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Field Blank	10/18/12	Field Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trip Blank	10/18/12	Trip Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2L Standard (ug/l)			10	700	10	15	1	6	20	6	50	3,000	5	600

Results are in ug/l

Bold results indicate exceedence of 2L Standards

Appendix

Laboratory Report

Environmental Conservation Laboratories, Inc.

102-A Woodwinds Industrial Court

Cary NC, 27511

Phone: 919.467.3090 FAX: 919.467.3515



www.encolabs.com

Friday, November 2, 2012

East Coast Environmental (EA030)

Attn: Tom Will

3815 Junction Blvd.

Raleigh, NC 27603

RE: Laboratory Results for

Project Number: [none], Project Name/Desc: Lee County

ENCO Workorder(s): C212297

Dear Tom Will,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, October 19, 2012.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Bill Scott".

Bill Scott

Project Manager

Enclosure(s)

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 5301-MW5		Lab ID: C212297-01	Sampled: 10/18/12 14:15	Received: 10/19/12 15:00
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	04/16/13	10/23/12 13:57	10/25/2012 14:33	
EPA 7470A	11/15/12	10/24/12 16:07	10/26/2012 15:18	
EPA 8260B	11/01/12	10/29/12 07:10	10/30/2012 14:53	

Client ID: 5301-MW6		Lab ID: C212297-02	Sampled: 10/18/12 12:00	Received: 10/19/12 15:00
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	04/16/13	10/23/12 13:57	10/25/2012 14:35	
EPA 7470A	11/15/12	10/24/12 16:07	10/26/2012 15:20	
EPA 8260B	11/01/12	10/29/12 07:10	10/30/2012 15:23	

Client ID: 5301-MW9 MS/MSD		Lab ID: C212297-03	Sampled: 10/18/12 13:00	Received: 10/19/12 15:00
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	04/16/13	10/23/12 13:57	10/25/2012 14:14	
EPA 7470A	11/15/12	10/24/12 16:07	10/26/2012 14:51	
EPA 8260B	11/01/12	10/29/12 07:01	10/29/2012 13:12	

Client ID: 5301-MW10		Lab ID: C212297-04	Sampled: 10/18/12 13:20	Received: 10/19/12 15:00
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	04/16/13	10/23/12 13:57	10/25/2012 14:37	
EPA 7470A	11/15/12	10/24/12 16:07	10/26/2012 15:22	
EPA 8260B	11/01/12	10/29/12 07:01	10/29/2012 18:38	

Client ID: 5301-MW12		Lab ID: C212297-05	Sampled: 10/18/12 11:15	Received: 10/19/12 15:00
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	04/16/13	10/23/12 13:57	10/25/2012 14:39	
EPA 7470A	11/15/12	10/24/12 16:07	10/26/2012 15:24	
EPA 8260B	11/01/12	10/29/12 07:01	10/29/2012 19:09	

Client ID: 5301-MW14		Lab ID: C212297-06	Sampled: 10/18/12 14:50	Received: 10/19/12 15:00
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	04/16/13	10/23/12 13:57	10/25/2012 14:41	
EPA 7470A	11/15/12	10/24/12 16:07	10/26/2012 15:31	
EPA 8260B	11/01/12	10/29/12 07:01	10/29/2012 19:38	

Client ID: 5301-SW2		Lab ID: C212297-07	Sampled: 10/18/12 14:30	Received: 10/19/12 15:00
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	04/16/13	10/23/12 13:57	10/25/2012 14:44	
EPA 7470A	11/15/12	10/24/12 16:07	10/26/2012 15:33	
EPA 8260B	11/01/12	10/29/12 07:01	10/30/2012 01:38	

Client ID: 5301-Field Blank		Lab ID: C212297-08	Sampled: 10/18/12 13:25	Received: 10/19/12 15:00
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 6010C	04/16/13	10/23/12 13:57	10/25/2012 14:46	
EPA 7470A	11/15/12	10/24/12 16:07	10/26/2012 15:36	
EPA 8260B	11/01/12	10/29/12 07:01	10/30/2012 02:08	

Client ID: 5301-Tripblank		Lab ID: C212297-09	Sampled: 10/18/12 11:15	Received: 10/19/12 15:00
Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)	
EPA 8260B	11/01/12	10/29/12 07:08	10/30/2012 15:52	

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 5301-MW5		Lab ID: C212297-01								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total		4.14	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total		295		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total		8.71	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total		9.66	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 5301-MW6		Lab ID: C212297-02								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total		5.78	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total		166		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total		9.75	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total		11.1		1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 5301-MW9 MS/MSD		Lab ID: C212297-03								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total		109		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total		1.17	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total		1.94	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 5301-MW10		Lab ID: C212297-04								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total		136		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total		7.69	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total		5.48	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 5301-MW12		Lab ID: C212297-05								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane		3.4	J	1	0.13	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene		0.42	J	1	0.19	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene		4.7		1	0.19	1.0	1	ug/L	EPA 8260B	
Arsenic - Total		13.1		1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total		1500		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene		3.7		1	0.15	1.0	1	ug/L	EPA 8260B	
Chlorobenzene		17		1	0.17	1.0	3	ug/L	EPA 8260B	
Chloroethane		88		1	0.23	1.0	10	ug/L	EPA 8260B	
Chromium - Total		3.69	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total		8.32	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Methylene chloride		0.42	J	1	0.23	1.0	1	ug/L	EPA 8260B	
Toluene		0.77	J	1	0.14	1.0	1	ug/L	EPA 8260B	

Client ID: 5301-MW14		Lab ID: C212297-06								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total		5.05	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total		215		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total		13.2		1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total		64.2		1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 5301-SW2		Lab ID: C212297-07								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes

Client ID:	5301-SW2	Lab ID: C212297-07								
Analyte		Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total		70.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	

ANALYTICAL RESULTS

Description: 5301-MW5

Lab Sample ID: C212297-01

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 14:15

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/12 14:53	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/12 14:53	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/12 14:53	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/12 14:53	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/12 14:53	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/12 14:53	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/12 14:53	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/12 14:53	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/12 14:53	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/12 14:53	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/12 14:53	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/12 14:53	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/12 14:53	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/12 14:53	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/12 14:53	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/12 14:53	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/12 14:53	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/12 14:53	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/12 14:53	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/12 14:53	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/12 14:53	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/12 14:53	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/12 14:53	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/12 14:53	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/12 14:53	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 14:53	JKG	

Description: 5301-MW5

Lab Sample ID: C212297-01

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 14:15

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/12 14:53	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/12 14:53	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/12 14:53	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/12 14:53	JKG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	51	1	50.0	103 %	51-122	2J29019	EPA 8260B	10/30/12 14:53	JKG	
Dibromofluoromethane	51	1	50.0	102 %	68-117	2J29019	EPA 8260B	10/30/12 14:53	JKG	
Toluene-d8	49	1	50.0	97 %	67-127	2J29019	EPA 8260B	10/30/12 14:53	JKG	

Description: 5301-MW5**Lab Sample ID:** C212297-01**Received:** 10/19/12 15:00**Matrix:** Water**Sampled:** 10/18/12 14:15**Work Order:** C212297**Project:** Lee County**Sampled By:** Client**Metals by EPA 6000/7000 Series Methods***^ - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	10/26/12 15:18	T1D	

Description: 5301-MW5**Lab Sample ID:** C212297-01**Received:** 10/19/12 15:00**Matrix:** Water**Sampled:** 10/18/12 14:15**Work Order:** C212297**Project:** Lee County**Sampled By:** Client**Metals (total recoverable) by EPA 6000/7000 Series Methods***^ - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	4.14	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/25/12 14:33	JDH	
Barium [7440-39-3] ^	295		ug/L	1	1.00	10.0	100	EPA 6010C	10/25/12 14:33	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/25/12 14:33	JDH	
Chromium [7440-47-3] ^	8.71	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/25/12 14:33	JDH	
Lead [7439-92-1] ^	9.66	J	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:33	JDH	
Selenium [7782-49-2] ^	4.50	U	ug/L	1	4.50	10.0	10	EPA 6010C	10/25/12 14:33	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:33	JDH	

Description: 5301-MW6

Lab Sample ID: C212297-02

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 12:00

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/12 15:23	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/12 15:23	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/12 15:23	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/12 15:23	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/12 15:23	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/12 15:23	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/12 15:23	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/12 15:23	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/12 15:23	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/12 15:23	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/12 15:23	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/12 15:23	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/12 15:23	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/12 15:23	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/12 15:23	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/12 15:23	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/12 15:23	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/12 15:23	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/12 15:23	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/12 15:23	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/12 15:23	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/12 15:23	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/12 15:23	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/12 15:23	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/12 15:23	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/12 15:23	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/12 15:23	JKG	

Description: 5301-MW6

Lab Sample ID: C212297-02

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 12:00

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/12 15:23	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/12 15:23	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/12 15:23	JKG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	51	1	50.0	101 %	51-122	2J29019	EPA 8260B	10/30/12 15:23	JKG	
Dibromofluoromethane	51	1	50.0	101 %	68-117	2J29019	EPA 8260B	10/30/12 15:23	JKG	
Toluene-d8	47	1	50.0	94 %	67-127	2J29019	EPA 8260B	10/30/12 15:23	JKG	

Description: 5301-MW6**Lab Sample ID:** C212297-02**Received:** 10/19/12 15:00**Matrix:** Water**Sampled:** 10/18/12 12:00**Work Order:** C212297**Project:** Lee County**Sampled By:** Client**Metals by EPA 6000/7000 Series Methods***^ - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	10/26/12 15:20	T1D	

Description: 5301-MW6

Lab Sample ID: C212297-02

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 12:00

Work Order: C212297

Project: Lee County

Sampled By: Client

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	5.78	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/25/12 14:35	JDH	
Barium [7440-39-3] ^	166		ug/L	1	1.00	10.0	100	EPA 6010C	10/25/12 14:35	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/25/12 14:35	JDH	
Chromium [7440-47-3] ^	9.75	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/25/12 14:35	JDH	
Lead [7439-92-1] ^	11.1		ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:35	JDH	
Selenium [7782-49-2] ^	4.50	U	ug/L	1	4.50	10.0	10	EPA 6010C	10/25/12 14:35	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:35	JDH	

Description: 5301-MW9 MS/MSD

Lab Sample ID: C212297-03

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 13:00

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/12 13:12	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/29/12 13:12	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/29/12 13:12	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/12 13:12	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/29/12 13:12	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/29/12 13:12	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/29/12 13:12	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/29/12 13:12	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/29/12 13:12	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/29/12 13:12	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/29/12 13:12	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/29/12 13:12	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/29/12 13:12	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/12 13:12	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/29/12 13:12	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/29/12 13:12	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/29/12 13:12	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/29/12 13:12	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/29/12 13:12	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/29/12 13:12	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/29/12 13:12	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/29/12 13:12	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/29/12 13:12	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/29/12 13:12	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/12 13:12	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/29/12 13:12	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/12 13:12	JKG	

Description: 5301-MW9 MS/MSD

Lab Sample ID: C212297-03

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 13:00

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/29/12 13:12	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/12 13:12	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/29/12 13:12	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	87 %	51-122		2J29001	EPA 8260B	10/29/12 13:12	JKG	
Dibromofluoromethane	49	1	50.0	97 %	68-117		2J29001	EPA 8260B	10/29/12 13:12	JKG	
Toluene-d8	42	1	50.0	83 %	67-127		2J29001	EPA 8260B	10/29/12 13:12	JKG	

Description: 5301-MW9 MS/MSD**Lab Sample ID:** C212297-03**Received:** 10/19/12 15:00**Matrix:** Water**Sampled:** 10/18/12 13:00**Work Order:** C212297**Project:** Lee County**Sampled By:** Client**Metals by EPA 6000/7000 Series Methods***^ - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	10/26/12 14:51	T1D	

Description: 5301-MW9 MS/MSD

Lab Sample ID: C212297-03

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 13:00

Work Order: C212297

Project: Lee County

Sampled By: Client

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/25/12 14:14	JDH	
Barium [7440-39-3] ^	109		ug/L	1	1.00	10.0	100	EPA 6010C	10/25/12 14:14	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/25/12 14:14	JDH	
Chromium [7440-47-3] ^	1.17	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/25/12 14:14	JDH	
Lead [7439-92-1] ^	1.94	J	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:14	JDH	
Selenium [7782-49-2] ^	4.50	U	ug/L	1	4.50	10.0	10	EPA 6010C	10/25/12 14:14	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:14	JDH	

Description: 5301-MW10

Lab Sample ID: C212297-04

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 13:20

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/12 18:38	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/29/12 18:38	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/29/12 18:38	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/12 18:38	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/29/12 18:38	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/29/12 18:38	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/29/12 18:38	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/29/12 18:38	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/29/12 18:38	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/29/12 18:38	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/29/12 18:38	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/29/12 18:38	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/29/12 18:38	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/12 18:38	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/29/12 18:38	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/29/12 18:38	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/29/12 18:38	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/29/12 18:38	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/29/12 18:38	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/29/12 18:38	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/29/12 18:38	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/29/12 18:38	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/29/12 18:38	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/29/12 18:38	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/12 18:38	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/29/12 18:38	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/12 18:38	JKG	

Description: 5301-MW10

Lab Sample ID: C212297-04

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 13:20

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/29/12 18:38	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/12 18:38	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/29/12 18:38	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	89 %	51-122		2J29001	EPA 8260B	10/29/12 18:38	JKG	
Dibromofluoromethane	51	1	50.0	102 %	68-117		2J29001	EPA 8260B	10/29/12 18:38	JKG	
Toluene-d8	43	1	50.0	85 %	67-127		2J29001	EPA 8260B	10/29/12 18:38	JKG	

Description: 5301-MW10**Lab Sample ID:** C212297-04**Received:** 10/19/12 15:00**Matrix:** Water**Sampled:** 10/18/12 13:20**Work Order:** C212297**Project:** Lee County**Sampled By:** Client**Metals by EPA 6000/7000 Series Methods***^ - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	10/26/12 15:22	T1D	

Description: 5301-MW10

Lab Sample ID: C212297-04

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 13:20

Work Order: C212297

Project: Lee County

Sampled By: Client

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/25/12 14:37	JDH	
Barium [7440-39-3] ^	136		ug/L	1	1.00	10.0	100	EPA 6010C	10/25/12 14:37	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/25/12 14:37	JDH	
Chromium [7440-47-3] ^	7.69	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/25/12 14:37	JDH	
Lead [7439-92-1] ^	5.48	J	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:37	JDH	
Selenium [7782-49-2] ^	4.50	U	ug/L	1	4.50	10.0	10	EPA 6010C	10/25/12 14:37	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:37	JDH	

Description: 5301-MW12

Lab Sample ID: C212297-05

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 11:15

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/12 19:09	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/29/12 19:09	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
1,1-Dichloroethane [75-34-3] ^	3.4	J	ug/L	1	0.13	1.0	5	EPA 8260B	10/29/12 19:09	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/12 19:09	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/29/12 19:09	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.42	J	ug/L	1	0.19	1.0	5	EPA 8260B	10/29/12 19:09	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
1,4-Dichlorobenzene [106-46-7] ^	4.7		ug/L	1	0.19	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/29/12 19:09	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/29/12 19:09	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/29/12 19:09	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/29/12 19:09	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/29/12 19:09	JKG	
Benzene [71-43-2] ^	3.7		ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/29/12 19:09	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/29/12 19:09	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/12 19:09	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/29/12 19:09	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
Chlorobenzene [108-90-7] ^	17		ug/L	1	0.17	1.0	3	EPA 8260B	10/29/12 19:09	JKG	
Chloroethane [75-00-3] ^	88		ug/L	1	0.23	1.0	10	EPA 8260B	10/29/12 19:09	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/29/12 19:09	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/29/12 19:09	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/29/12 19:09	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/29/12 19:09	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/29/12 19:09	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/29/12 19:09	JKG	
Methylene chloride [75-09-2] ^	0.42	J	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/29/12 19:09	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
Toluene [108-88-3] ^	0.77	J	ug/L	1	0.14	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/12 19:09	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/29/12 19:09	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/12 19:09	JKG	

Description: 5301-MW12

Lab Sample ID: C212297-05

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 11:15

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/29/12 19:09	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/12 19:09	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/29/12 19:09	JKG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	91 %	51-122	2J29001	EPA 8260B	10/29/12 19:09	JKG	
Dibromofluoromethane	46	1	50.0	92 %	68-117	2J29001	EPA 8260B	10/29/12 19:09	JKG	
Toluene-d8	43	1	50.0	86 %	67-127	2J29001	EPA 8260B	10/29/12 19:09	JKG	

Description: 5301-MW12**Lab Sample ID:** C212297-05**Received:** 10/19/12 15:00**Matrix:** Water**Sampled:** 10/18/12 11:15**Work Order:** C212297**Project:** Lee County**Sampled By:** Client**Metals by EPA 6000/7000 Series Methods***^ - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	10/26/12 15:24	T1D	

Description: 5301-MW12**Lab Sample ID:** C212297-05**Received:** 10/19/12 15:00**Matrix:** Water**Sampled:** 10/18/12 11:15**Work Order:** C212297**Project:** Lee County**Sampled By:** Client**Metals (total recoverable) by EPA 6000/7000 Series Methods**

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	13.1		ug/L	1	2.80	10.0	10	EPA 6010C	10/25/12 14:39	JDH	
Barium [7440-39-3] ^	1500		ug/L	1	1.00	10.0	100	EPA 6010C	10/25/12 14:39	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/25/12 14:39	JDH	
Chromium [7440-47-3] ^	3.69	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/25/12 14:39	JDH	
Lead [7439-92-1] ^	8.32	J	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:39	JDH	
Selenium [7782-49-2] ^	4.50	U	ug/L	1	4.50	10.0	10	EPA 6010C	10/25/12 14:39	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:39	JDH	

Description: 5301-MW14

Lab Sample ID: C212297-06

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 14:50

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/29/12 19:38	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/29/12 19:38	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/29/12 19:38	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/12 19:38	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/29/12 19:38	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/29/12 19:38	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/29/12 19:38	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/29/12 19:38	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/29/12 19:38	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/29/12 19:38	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/29/12 19:38	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/29/12 19:38	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/29/12 19:38	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/29/12 19:38	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/29/12 19:38	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/29/12 19:38	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/29/12 19:38	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/29/12 19:38	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/29/12 19:38	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/29/12 19:38	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/29/12 19:38	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/29/12 19:38	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/29/12 19:38	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/29/12 19:38	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/29/12 19:38	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/29/12 19:38	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/29/12 19:38	JKG	

Description: 5301-MW14

Lab Sample ID: C212297-06

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 14:50

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/29/12 19:38	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/29/12 19:38	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/29/12 19:38	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	45	1	50.0	90 %	51-122		2J29001	EPA 8260B	10/29/12 19:38	JKG	
Dibromofluoromethane	51	1	50.0	102 %	68-117		2J29001	EPA 8260B	10/29/12 19:38	JKG	
Toluene-d8	43	1	50.0	85 %	67-127		2J29001	EPA 8260B	10/29/12 19:38	JKG	

Description: 5301-MW14**Lab Sample ID:** C212297-06**Received:** 10/19/12 15:00**Matrix:** Water**Sampled:** 10/18/12 14:50**Work Order:** C212297**Project:** Lee County**Sampled By:** Client**Metals by EPA 6000/7000 Series Methods***^ - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	10/26/12 15:31	T1D	

Description: 5301-MW14

Lab Sample ID: C212297-06

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 14:50

Work Order: C212297

Project: Lee County

Sampled By: Client

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	5.05	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/25/12 14:41	JDH	
Barium [7440-39-3] ^	215		ug/L	1	1.00	10.0	100	EPA 6010C	10/25/12 14:41	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/25/12 14:41	JDH	
Chromium [7440-47-3] ^	13.2		ug/L	1	1.00	10.0	10	EPA 6010C	10/25/12 14:41	JDH	
Lead [7439-92-1] ^	64.2		ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:41	JDH	
Selenium [7782-49-2] ^	4.50	U	ug/L	1	4.50	10.0	10	EPA 6010C	10/25/12 14:41	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:41	JDH	

Description: 5301-SW2

Lab Sample ID: C212297-07

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 14:30

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/12 01:38	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/12 01:38	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/12 01:38	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/12 01:38	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/12 01:38	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/12 01:38	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/12 01:38	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/12 01:38	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/12 01:38	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/12 01:38	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/12 01:38	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/12 01:38	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/12 01:38	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/12 01:38	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/12 01:38	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/12 01:38	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/12 01:38	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/12 01:38	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/12 01:38	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/12 01:38	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/12 01:38	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/12 01:38	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/12 01:38	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/12 01:38	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/12 01:38	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/12 01:38	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/12 01:38	JKG	

Description: 5301-SW2

Lab Sample ID: C212297-07

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 14:30

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/12 01:38	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/12 01:38	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/12 01:38	JKG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	44	1	50.0	87 %	51-122	2J29018	EPA 8260B	10/30/12 01:38	JKG	
Dibromofluoromethane	51	1	50.0	102 %	68-117	2J29018	EPA 8260B	10/30/12 01:38	JKG	
Toluene-d8	41	1	50.0	83 %	67-127	2J29018	EPA 8260B	10/30/12 01:38	JKG	

Description: 5301-SW2**Lab Sample ID:** C212297-07**Received:** 10/19/12 15:00**Matrix:** Water**Sampled:** 10/18/12 14:30**Work Order:** C212297**Project:** Lee County**Sampled By:** Client**Metals by EPA 6000/7000 Series Methods***^ - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	10/26/12 15:33	T1D	

Description: 5301-SW2

Lab Sample ID: C212297-07

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 14:30

Work Order: C212297

Project: Lee County

Sampled By: Client

Metals (total recoverable) by EPA 6000/7000 Series Methods
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/25/12 14:44	JDH	
Barium [7440-39-3] ^	70.2	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/25/12 14:44	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/25/12 14:44	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/25/12 14:44	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:44	JDH	
Selenium [7782-49-2] ^	4.50	U	ug/L	1	4.50	10.0	10	EPA 6010C	10/25/12 14:44	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:44	JDH	

Description: 5301-Field Blank

Lab Sample ID: C212297-08

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 13:25

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/12 02:08	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/12 02:08	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/12 02:08	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/12 02:08	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/12 02:08	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/12 02:08	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/12 02:08	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/12 02:08	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/12 02:08	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/12 02:08	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/12 02:08	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/12 02:08	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/12 02:08	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/12 02:08	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/12 02:08	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/12 02:08	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/12 02:08	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/12 02:08	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/12 02:08	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/12 02:08	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/12 02:08	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/12 02:08	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/12 02:08	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/12 02:08	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/12 02:08	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/12 02:08	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/12 02:08	JKG	

Description: 5301-Field Blank

Lab Sample ID: C212297-08

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 13:25

Work Order: C212297

Project: Lee County

Sampled By: Client

Volatile Organic Compounds by GCMS
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/12 02:08	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/12 02:08	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/12 02:08	JKG	
Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits		Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	43	1	50.0	87 %	51-122		2J29018	EPA 8260B	10/30/12 02:08	JKG	
Dibromofluoromethane	50	1	50.0	100 %	68-117		2J29018	EPA 8260B	10/30/12 02:08	JKG	
Toluene-d8	43	1	50.0	87 %	67-127		2J29018	EPA 8260B	10/30/12 02:08	JKG	

Description: 5301-Field Blank**Lab Sample ID:** C212297-08**Received:** 10/19/12 15:00**Matrix:** Water**Sampled:** 10/18/12 13:25**Work Order:** C212297**Project:** Lee County**Sampled By:** Client**Metals by EPA 6000/7000 Series Methods***^ - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	10/26/12 15:36	T1D	

Description: 5301-Field Blank

Lab Sample ID: C212297-08

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 13:25

Work Order: C212297

Project: Lee County

Sampled By: Client

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/25/12 14:46	JDH	
Barium [7440-39-3] ^	1.00	U	ug/L	1	1.00	10.0	100	EPA 6010C	10/25/12 14:46	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/25/12 14:46	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/25/12 14:46	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:46	JDH	
Selenium [7782-49-2] ^	4.50	U	ug/L	1	4.50	10.0	10	EPA 6010C	10/25/12 14:46	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/25/12 14:46	JDH	

Description: 5301-Tripblank

Lab Sample ID: C212297-09

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 11:15

Work Order: C212297

Project: Lee County

Sampled By: ENCO

Volatile Organic Compounds by GCMS

[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/30/12 15:52	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	10/30/12 15:52	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/30/12 15:52	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/12 15:52	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/30/12 15:52	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	10/30/12 15:52	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	10/30/12 15:52	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	10/30/12 15:52	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/30/12 15:52	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	10/30/12 15:52	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	10/30/12 15:52	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	10/30/12 15:52	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	10/30/12 15:52	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/30/12 15:52	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/30/12 15:52	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/12 15:52	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	10/30/12 15:52	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	10/30/12 15:52	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/30/12 15:52	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	10/30/12 15:52	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	10/30/12 15:52	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	10/30/12 15:52	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.17	U	ug/L	1	0.17	2.0	NE	EPA 8260B	10/30/12 15:52	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
o-Xylene [95-47-6] ^	0.065	U	ug/L	1	0.065	1.0	NE	EPA 8260B	10/30/12 15:52	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/30/12 15:52	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	10/30/12 15:52	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/30/12 15:52	JKG	

Description: 5301-Tripblank

Lab Sample ID: C212297-09

Received: 10/19/12 15:00

Matrix: Water

Sampled: 10/18/12 11:15

Work Order: C212297

Project: Lee County

Sampled By: ENCO

Volatile Organic Compounds by GCMS
[^] - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	10/30/12 15:52	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/30/12 15:52	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	10/30/12 15:52	JKG	

Surrogates	Results	DF	Spike Lvl	% Rec	% Rec Limits	Batch	Method	Analyzed	By	Notes
4-Bromofluorobenzene	51	1	50.0	102 %	51-122	2J29019	EPA 8260B	10/30/12 15:52	JKG	
Dibromofluoromethane	49	1	50.0	98 %	68-117	2J29019	EPA 8260B	10/30/12 15:52	JKG	
Toluene-d8	48	1	50.0	96 %	67-127	2J29019	EPA 8260B	10/30/12 15:52	JKG	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2J29001 - EPA 5030B_MS

Blank (2J29001-BLK1)

Prepared: 10/29/2012 07:01 Analyzed: 10/29/2012 09:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2J29001 - EPA 5030B_MS

Blank (2J29001-BLK1) Continued

Prepared: 10/29/2012 07:01 Analyzed: 10/29/2012 09:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	43			ug/L	50.0		86	51-122			
Surrogate: Dibromofluoromethane	46			ug/L	50.0		93	68-117			
Surrogate: Toluene-d8	41			ug/L	50.0		83	67-127			

LCS (2J29001-BS1)

Prepared: 10/29/2012 07:01 Analyzed: 10/29/2012 09:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0		80	75-133			
Benzene	18		1.0	ug/L	20.0		89	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		98	83-117			
Toluene	20		1.0	ug/L	20.0		99	71-118			
Trichloroethene	20		1.0	ug/L	20.0		102	74-119			
Surrogate: 4-Bromofluorobenzene	45			ug/L	50.0		90	51-122			
Surrogate: Dibromofluoromethane	41			ug/L	50.0		81	68-117			
Surrogate: Toluene-d8	43			ug/L	50.0		87	67-127			

Matrix Spike (2J29001-MS1)

Prepared: 10/29/2012 07:01 Analyzed: 10/29/2012 10:12

Source: C212297-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.21 U	90	75-133			
Benzene	18		1.0	ug/L	20.0	0.15 U	92	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	100	83-117			
Toluene	21		1.0	ug/L	20.0	0.14 U	105	71-118			
Trichloroethene	22		1.0	ug/L	20.0	0.15 U	110	74-119			
Surrogate: 4-Bromofluorobenzene	43			ug/L	50.0		86	51-122			
Surrogate: Dibromofluoromethane	41			ug/L	50.0		82	68-117			
Surrogate: Toluene-d8	43			ug/L	50.0		87	67-127			

Matrix Spike Dup (2J29001-MSD1)

Prepared: 10/29/2012 07:01 Analyzed: 10/29/2012 10:41

Source: C212297-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.21 U	91	75-133	1	20	
Benzene	18		1.0	ug/L	20.0	0.15 U	90	81-134	2	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	96	83-117	4	16	
Toluene	21		1.0	ug/L	20.0	0.14 U	103	71-118	2	17	
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	106	74-119	4	22	
Surrogate: 4-Bromofluorobenzene	45			ug/L	50.0		91	51-122			
Surrogate: Dibromofluoromethane	42			ug/L	50.0		84	68-117			
Surrogate: Toluene-d8	44			ug/L	50.0		87	67-127			

Batch 2J29018 - EPA 5030B_MS

Blank (2J29018-BLK1)

Prepared: 10/29/2012 10:52 Analyzed: 10/29/2012 21:38

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2J29018 - EPA 5030B_MS

Blank (2J29018-BLK1) Continued

Prepared: 10/29/2012 10:52 Analyzed: 10/29/2012 21:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2J29018 - EPA 5030B_MS

Blank (2J29018-BLK1) Continued

Prepared: 10/29/2012 10:52 Analyzed: 10/29/2012 21:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	44			ug/L	50.0		88	51-122			
Surrogate: Dibromofluoromethane	47			ug/L	50.0		95	68-117			
Surrogate: Toluene-d8	42			ug/L	50.0		84	67-127			

LCS (2J29018-BS1)

Prepared: 10/29/2012 10:52 Analyzed: 10/29/2012 22:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0		86	75-133			
Benzene	17		1.0	ug/L	20.0		87	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		97	83-117			
Toluene	19		1.0	ug/L	20.0		97	71-118			
Trichloroethene	20		1.0	ug/L	20.0		102	74-119			
Surrogate: 4-Bromofluorobenzene	45			ug/L	50.0		89	51-122			
Surrogate: Dibromofluoromethane	43			ug/L	50.0		85	68-117			
Surrogate: Toluene-d8	43			ug/L	50.0		86	67-127			

Matrix Spike (2J29018-MS1)

Prepared: 10/29/2012 10:52 Analyzed: 10/29/2012 22:38

Source: C212207-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.21 U	114	75-133			
Benzene	20		1.0	ug/L	20.0	0.15 U	98	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	102	83-117			
Toluene	21		1.0	ug/L	20.0	0.14 U	106	71-118			
Trichloroethene	24		1.0	ug/L	20.0	0.15 U	119	74-119			
Surrogate: 4-Bromofluorobenzene	44			ug/L	50.0		88	51-122			
Surrogate: Dibromofluoromethane	42			ug/L	50.0		83	68-117			
Surrogate: Toluene-d8	43			ug/L	50.0		87	67-127			

Matrix Spike Dup (2J29018-MSD1)

Prepared: 10/29/2012 10:52 Analyzed: 10/29/2012 23:08

Source: C212207-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.21 U	92	75-133	21	20	QM-11
Benzene	18		1.0	ug/L	20.0	0.15 U	91	81-134	8	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	97	83-117	5	16	
Toluene	21		1.0	ug/L	20.0	0.14 U	104	71-118	2	17	
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	107	74-119	10	22	
Surrogate: 4-Bromofluorobenzene	46			ug/L	50.0		91	51-122			
Surrogate: Dibromofluoromethane	41			ug/L	50.0		81	68-117			
Surrogate: Toluene-d8	44			ug/L	50.0		87	67-127			

Batch 2J29019 - EPA 5030B_MS

Blank (2J29019-BLK1)

Prepared: 10/29/2012 10:57 Analyzed: 10/30/2012 09:01

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2J29019 - EPA 5030B_MS

Blank (2J29019-BLK1) Continued

Prepared: 10/29/2012 10:57 Analyzed: 10/30/2012 09:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
m,p-Xylenes	0.17	U	2.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
o-Xylene	0.065	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2J29019 - EPA 5030B_MS

Blank (2J29019-BLK1) Continued

Prepared: 10/29/2012 10:57 Analyzed: 10/30/2012 09:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	50			ug/L	50.0		101	51-122			
Surrogate: Dibromofluoromethane	50			ug/L	50.0		100	68-117			
Surrogate: Toluene-d8	48			ug/L	50.0		97	67-127			

LCS (2J29019-BS1)

Prepared: 10/29/2012 10:57 Analyzed: 10/30/2012 09:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		106	75-133			
Benzene	19		1.0	ug/L	20.0		95	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		99	83-117			
Toluene	18		1.0	ug/L	20.0		92	71-118			
Trichloroethene	21		1.0	ug/L	20.0		105	74-119			
Surrogate: 4-Bromofluorobenzene	54			ug/L	50.0		109	51-122			
Surrogate: Dibromofluoromethane	50			ug/L	50.0		99	68-117			
Surrogate: Toluene-d8	49			ug/L	50.0		99	67-127			

Matrix Spike (2J29019-MS1)

Prepared: 10/29/2012 10:57 Analyzed: 10/30/2012 10:00

Source: C212735-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.21 U	95	75-133			
Benzene	19		1.0	ug/L	20.0	0.15 U	94	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	100	83-117			
Toluene	18		1.0	ug/L	20.0	0.14 U	90	71-118			
Trichloroethene	23		1.0	ug/L	20.0	0.15 U	115	74-119			
Surrogate: 4-Bromofluorobenzene	55			ug/L	50.0		111	51-122			
Surrogate: Dibromofluoromethane	49			ug/L	50.0		99	68-117			
Surrogate: Toluene-d8	49			ug/L	50.0		99	67-127			

Matrix Spike Dup (2J29019-MSD1)

Prepared: 10/29/2012 10:57 Analyzed: 10/30/2012 10:29

Source: C212735-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.21 U	92	75-133	4	20	
Benzene	19		1.0	ug/L	20.0	0.15 U	93	81-134	0.9	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	96	83-117	4	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	89	71-118	1	17	
Trichloroethene	23		1.0	ug/L	20.0	0.15 U	113	74-119	1	22	
Surrogate: 4-Bromofluorobenzene	55			ug/L	50.0		109	51-122			
Surrogate: Dibromofluoromethane	50			ug/L	50.0		100	68-117			
Surrogate: Toluene-d8	49			ug/L	50.0		98	67-127			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2J24041 - EPA 7470A

Blank (2J24041-BLK1)

Prepared: 10/24/2012 16:07 Analyzed: 10/26/2012 14:47

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2J24041 - EPA 7470A

Blank (2J24041-BLK1) Continued

Prepared: 10/24/2012 16:07 Analyzed: 10/26/2012 14:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.170	U	0.200	ug/L							

LCS (2J24041-BS1)

Prepared: 10/24/2012 16:07 Analyzed: 10/26/2012 14:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.32		0.200	ug/L	5.00		106	80-120			

Matrix Spike (2J24041-MS1)

Prepared: 10/24/2012 16:07 Analyzed: 10/26/2012 14:53

Source: C212297-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.31		0.200	ug/L	5.00	0.170 U	106	75-125			

Matrix Spike Dup (2J24041-MSD1)

Prepared: 10/24/2012 16:07 Analyzed: 10/26/2012 14:59

Source: C212297-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.22		0.200	ug/L	5.00	0.170 U	104	75-125	2	25	

Post Spike (2J24041-PS1)

Prepared: 10/24/2012 16:07 Analyzed: 10/26/2012 15:01

Source: C212297-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.19		0.200	ug/L	5.00	-0.0230	104	75-125			

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J23027 - EPA 3005A

Blank (2J23027-BLK1)

Prepared: 10/23/2012 13:57 Analyzed: 10/25/2012 14:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Selenium	4.50	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							

LCS (2J23027-BS1)

Prepared: 10/23/2012 13:57 Analyzed: 10/25/2012 14:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	198		10.0	ug/L	200		99	80-120			
Barium	196		10.0	ug/L	200		98	80-120			
Cadmium	20.3		1.00	ug/L	20.0		101	80-120			
Chromium	193		10.0	ug/L	200		97	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J23027 - EPA 3005A

LCS (2J23027-BS1) Continued

Prepared: 10/23/2012 13:57 Analyzed: 10/25/2012 14:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	196		10.0	ug/L	200		98	80-120			
Selenium	191		10.0	ug/L	200		96	80-120			
Silver	198		10.0	ug/L	200		99	80-120			

Matrix Spike (2J23027-MS1)

Prepared: 10/23/2012 13:57 Analyzed: 10/25/2012 14:16

Source: C212297-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	194		10.0	ug/L	200	2.80 U	97	75-125			
Barium	299		10.0	ug/L	200	109	95	75-125			
Cadmium	19.5		1.00	ug/L	20.0	0.360 U	97	75-125			
Chromium	195		10.0	ug/L	200	1.17	97	75-125			
Lead	199		10.0	ug/L	200	1.94	99	75-125			
Selenium	198		10.0	ug/L	200	4.50 U	99	75-125			
Silver	196		10.0	ug/L	200	1.90 U	98	75-125			

Matrix Spike Dup (2J23027-MSD1)

Prepared: 10/23/2012 13:57 Analyzed: 10/25/2012 14:18

Source: C212297-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	196		10.0	ug/L	200	2.80 U	98	75-125	1	20	
Barium	306		10.0	ug/L	200	109	98	75-125	2	20	
Cadmium	20.9		1.00	ug/L	20.0	0.360 U	104	75-125	7	20	
Chromium	200		10.0	ug/L	200	1.17	100	75-125	3	20	
Lead	204		10.0	ug/L	200	1.94	101	75-125	2	20	
Selenium	202		10.0	ug/L	200	4.50 U	101	75-125	2	20	
Silver	202		10.0	ug/L	200	1.90 U	101	75-125	3	20	

Post Spike (2J23027-PS1)

Prepared: 10/23/2012 13:57 Analyzed: 10/25/2012 14:20

Source: C212297-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.186		0.0100	mg/L	0.200	-0.00151	94	80-120			
Barium	0.299		0.0100	mg/L	0.200	0.109	95	80-120			
Cadmium	0.0203		0.00100	mg/L	0.0200	0.000131	101	80-120			
Chromium	0.194		0.0100	mg/L	0.200	0.00117	96	80-120			
Lead	0.201		0.0100	mg/L	0.200	0.00194	99	80-120			
Selenium	0.190		0.0100	mg/L	0.200	0.00243	94	80-120			
Silver	0.203		0.0100	mg/L	0.200	-0.000488	102	80-120			

Batch 2J29016 - EPA 3005A

Blank (2J29016-BLK1)

Prepared: 10/29/2012 10:40 Analyzed: 10/30/2012 12:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	0.830	U	1.00	ug/L							

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J29016 - EPA 3005A

LCS (2J29016-BS1)

Prepared: 10/29/2012 10:40 Analyzed: 10/30/2012 12:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	216		1.00	ug/L	200		108	80-120			

Matrix Spike (2J29016-MS1)

Prepared: 10/29/2012 10:40 Analyzed: 10/30/2012 12:42

Source: C212297-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	210		1.00	ug/L	200	0.830 U	105	75-125			

Matrix Spike Dup (2J29016-MSD1)

Prepared: 10/29/2012 10:40 Analyzed: 10/30/2012 12:46

Source: C212297-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	216		1.00	ug/L	200	0.830 U	108	75-125	3	20	

Post Spike (2J29016-PS1)

Prepared: 10/29/2012 10:40 Analyzed: 10/30/2012 12:50

Source: C212297-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	215		1.00	ug/L	200	-0.154	107	80-120			

FLAGS/NOTES AND DEFINITIONS

- B The analyte was detected in the associated method blank.
- D The sample was analyzed at dilution.
- J The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
- U The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
- MRL Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
- QB-01 The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact of the deviation.
- QM-11 Precision between duplicate matrix spikes of the same sample was outside acceptance limits.



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Page 1 of 1

Client Name East Coast Environmental (EA030)		Project Number [none]	Requested Turnaround Times				
Address 3815 Junction Blvd. Raleigh, NC 27603		Project Name/Desc Lee County PO # Billing Info	Note : Rush requests subject to acceptance by the facility				
Tel (919) 772-0268	Fax (919) 772-0468	Reporting Contact Tom Will	Standard				
Sampler(s) Name, Affiliation (Print) Sampler(s) Signature		Billing Contact Tom Will	Expedited Due / /				
		Date Location / Time Zone HGT	Lab Workorder C212297				
8260B Appendix 1							
AG,AS,Ba,CD,Cr,Pb,Se							
Preservation (See Codes) (Combine as necessary)							
Item #	Sample ID (Field Identification)	Collection Date 10/18	Collection Time 2:15	Comp / Grab	Matrix (see codes)	Total # of Containers	Sample Comments
5301-NW/5	~	12/00	WA	4	X	X	
5301-NW/6	~	1:00	WA	4	X	X	
5301-NW/9	~	1:20	WA	10	X	X	
5301-NW/10	~	1:15	WA	4	X	X	
5301-NW/12	~	2:50	WA	4	X	X	
5301-NW/14	~	2:55	WA	4	X	X	
5301-SW2	~,	2:30	WA	4	X	X	
5301-Feldblank	~	1:25	WA	4	X	X	
5301-Tripblank			WA	2	X		
<- Total # of Containers							
Sample Kit Prepared By JAY	Date/Tm 10/15	Relinquished By	Date/Tm	Received By Rachel Yarus	Date/Tm	Condition Upon Receipt Accepted	Daily/Time 10/12/100
Comments/Special Reporting Requirements		Relinquished By	Date/Tm	Released By	Date/Tm		Date/Tm
Cooler # & Temp on Receipt C-729		Relinquished By	Date/Tm	Released By	Date/Tm		Date/Tm

Presentation: Ice H₂O NH₄Cl S-H2SDM NO-NaOH O-Other (detail in comments)
Note: A) samples submitted to ENO, labs are in accordance with the terms and conditions listed on the website of this form; B) unless otherwise indicated, no comments